#12

SEQUENCE LISTING

<110> Gonzalgo, Mark L.

       Jones, Peter A.

       Liang, Gangning

<120> CANCER DIAGNOSTIC METHOD BASED UPON DNA METHYLATION DIFFERENCES

<130> 47675-21

<140> 09/887,941

<141> 2001-06-22

<150> US 09/094,207

<151> 1998-06-09

<160> 17

<170> PatentIn version 3.1

<210> 1

<211> 530

<212> DNA

<213> homo sapiens

<400> 1
cccgcgacct aagccagcga cttaccacgt tagtcagcta agaagtggca gagctgggat   60

tcgaacctat aaagaactct gaagcctggg tattttaca tgacacttta cataatgcgc   120

cacggggtag tcggaggggg aggtccatct ccctttccct tgctgtccat ctccacagaa   180

aagaagcaag tggaggacag gagccagaaa gtcatctggc cgcggatcat tccggagtga   240

```
ccccgccgc caccactcgc atagtccgct tatggcggga gggcacctca gagattctca      300

caggggctgt gcggccagaa ccagaagtgc aaagcaccgt tagcgactct atcgccccct      360

gccgcctgtg cgcccagtc cgaagctgct gttttcagga gggctagtgg gctaagaaaa      420

gagctcaccg actgactgcc caacagctgt tgcgagccag tgctaggctg cagacagcct      480

tgccaaatgt ggtgacataa gcgggagggg ggaacattta gagagcccta              530
```

<210> 2

<211> 308

<212> DNA

<213> homo sapiens

<400> 2
```
ctagggtagg ctggtctgtg ctggatacgc gtgttcttct gcggagttaa agggtcgggg       60

acgggggttc tggacttacc agagcaattc cagccggtgg gcgtttgaca gccacttaag      120

gaggtaggga aagcgagctt caccgggcgg gctacgatga gtagcatgac gggcagcagc      180

agcagcagcc agcaaaagcc tagcaaagtg tccagctgct gcactgccgc ggggactccc      240

acatcaccat gactagttgt gcaactctgc agcagaaacg gcttccgagg aacacaggat      300

cgcggggg                                                             308
```

<210> 3

<211> 177

<212> DNA

<213> homo sapiens

<400> 3
```
gcttcctttt tctcggcttt cctcactatc ctctccctgt tcgagagtat ctccaccagc       60

accgagcctc acacgggctg tgcctccatc tttggaatgc ctacccttct ttcttgcgaa      120

gcccctccca gggccagccc ttgtgcaccg gctcaagggg actgctctcc tgcctcg         177
```

<210> 4

<211> 148

<212> DNA
```
```

<213> homo sapiens

<400> 4
```
ttgcgccgat cgtcaagaac ctctcatccc tggcagcagc aaagccaata tatttccatt      60
tcttatttca gtttgccacc aaaacaaagc tgcgcgcggc tgagggcagg aaggcgctga     120
gaccgaccga gaagaaggga cgtcccgg                                        148
```

<210> 5

<211> 384

<212> DNA

<213> homo sapiens

<400> 5
```
caggcccgcc gagactccac tccaactacc aggaaatttc ccgtggagct tcaattcctg      60
ggaccctcct actgcgggga gagtggtttc cctgccccac accatgccct aggcccgagt     120
ctgcggctct tgggggatct ctccgagctc cgacaccgtg ttcggaccgg gtgcgccctg     180
ccgctggggc tcaagcctgc aggcgtgaga accggggggac tctctatggc accaagagct     240
tcaccgtgag cgtaggcaga agcttcgctt tgatcctagg gcttacaaag tcctcctttg     300
gctgcccatg atggtaaaag ggcagttgct cacaaagcgc gagtgtgtgt gccagacagt     360
gtaaatgagt gttgggaccg gcgt                                            384
```

<210> 6

<211> 178

<212> DNA

<213> homo sapiens

<400> 6
```
gggtccgttc gtgaatgcat gagcagggtg tgagcgccag ggggttacac ttctcacggg      60
ttaaaaccca gacaacttca cgagggaacc acgtgccatt ttaacagcgt acggtcggga     120
tcgtgggacg tcattaaacg gagtgggttg agtatgtgac tctgtcaccc attttctg       178
```

<210> 7

<211> 359

```
<212>  DNA

<213>  homo sapiens


<400>  7
ccccgcgggg cagaatccaa gtgagtcaga cacattgctc cctccctgct gctgccagtc    60

catctctttg ccaacaaacc tgcttaaaat gccaaagctg gtccaaagtt tcaggaaaac   120

aacttccgcc agagggcacg tagagggcac agatgctata gatgcttctc tgacaaacac   180

tcctgacccc cttgacagat tggaaaatac atggttcaga aagggtgaga gatttcaact   240

tgagaagtga aactaggaaa agatggaagg tgtccggatt tctagctcaa gtccacacac   300

tgcttctgct gcggtgacta aatcgtggct gtgttctcat cacctgcctc gcggcgcgc    359


<210>  8

<211>  251

<212>  DNA

<213>  homo sapiens


<400>  8
ggcgggcctg ggcaccgcgg aggggggget tttctgcgcc cggcgaagcg tggaacttgc    60

gccctgaggc agcgcggcga daccagtcca gagaccgggg cgagcctcct caggattcct   120

cgccccagtg cagatgctgt gagcttagac gaggacaggg catggcactc ggcttggccc   180

gtagtggacg gtgtttttgc agtcatgaac ccaaacgccg caaaccttga ccgtttcccc   240

acccgtgttg t                                                         251


<210>  9

<211>  145

<212>  DNA

<213>  homo sapiens


<220>

<221>  misc_feature

<222>  (126)..(126)
```

<223> a, g, c or t sequence variation may exist at this position

<220>

<221> misc_feature

<222> (127)..(127)

<223> a, g, c or t sequence variation may exist at this position


```
<400>  9
tgagagcagc atcctcccct gcgtgtggtt ctctaactta cctcctgtat ggggtctgcg      60
gacccagcac acctcccggg cccccaaaaa attccagctc aagagccta aaaatcctta     120
ccctgnnaaa gtttgagctt ctccc                                          145
```

<210> 10

<211> 215

<212> DNA

<213> homo sapiens


```
<400>  10
acgccggcca cagttcttca gtgaaacgct tcactctctg gtcatagagg taggaaacta      60
tagctgtccc aactaaatgt caggacgaat tagcccagct ggtcacgctc acagtcaccg     120
cctccaccag actgagcgac cctcccaacg gggtttgccg tgttgggagg acagcggagt     180
ttcgttgctg tgtcaatttg tgtagacgcg gctgc                              215
```

<210> 11

<211> 220

<212> DNA

<213> homo sapiens


```
<400>  11
ctgctctctt ctcttctttt ccccttttcct ctcctctccc tttcctcagg tcacagcgga      60
gtgaatcagc tcggtggtgt ctttgtcaac gggcggccac tgccggactc cacccggcag     120
aagattgtag agctagctca cagcggggcc cggccgtgcg acatttcccg aattctgcag     180
```

gtgatcctcc cggcgccgcc ccactcgccg cccccgcggc   220

<210> 12

<211> 196

<212> DNA

<213> homo sapiens

<400> 12
gggcggcacg gagggagtca ggagtgagcc cgaagatgga gagaagtcga ttcgcccaga   60

gaacgcaaga cggtggatca gagatgagtc ccaggaacct cagagagcga ggctgacagg   120

cccgggggaga ggaccgggca gggacaaacc agcggacaga gcagagcgcg aaatggttga   180

gaccgggaag cgacct   196

<210> 13

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> p16 promoter region-specific Ms-SNuPE primer

<400> 13
gtaggtgggg aggagtttag tt   22

<210> 14

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> p16 promoter region-specific Ms-SNuPE primer

<400> 14
tctaataacc aaccaacccc tcc   23

<210> 15

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> p16 promoter region-specific Ms-SNuPE primer

<400> 15
tttttttgtt tggaaagata t   21

<210> 16

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> p16 promoter region-specific Ms-SNuPE primer

<400> 16
ttttaggggt gttatatt   18

<210> 17

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> p16 promoter region-specific Ms-SNuPE primer

<400> 17
tttgagggat agggt   15